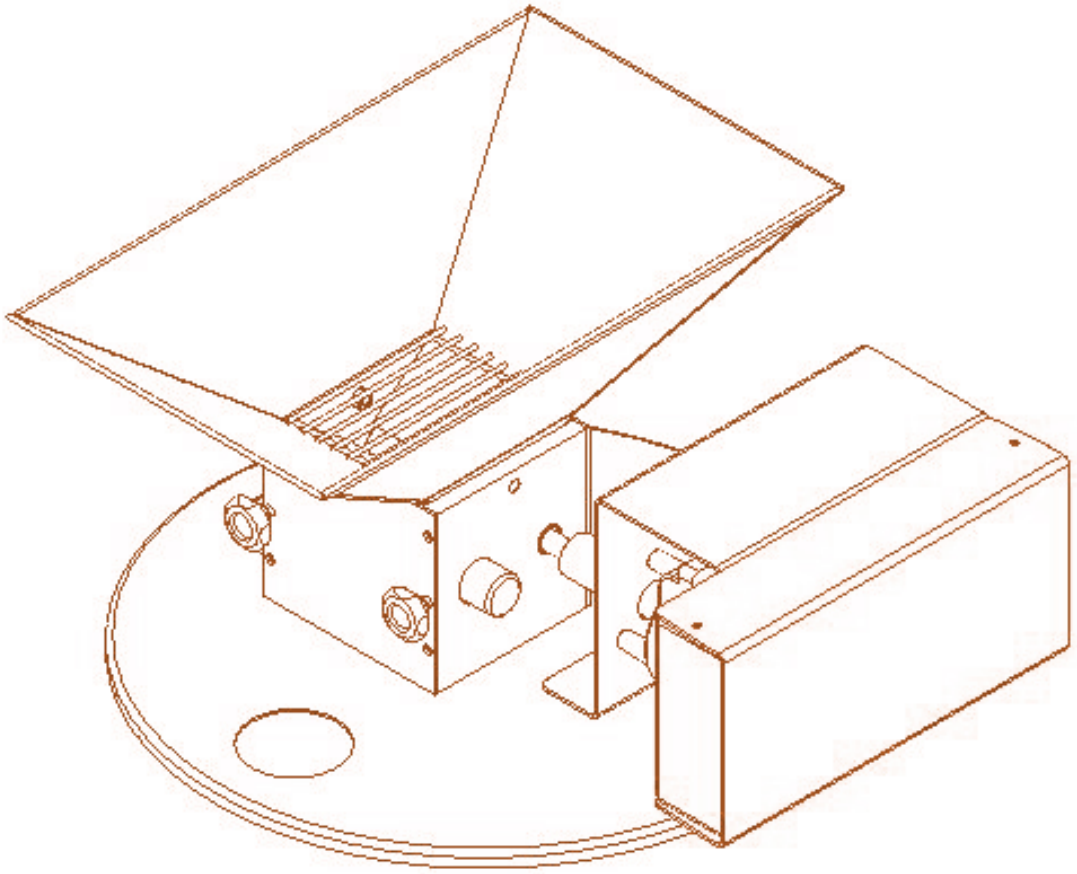
ALBRIGI
BE BEER

MALT MILL
M50E
MANUAL FOR USE AND MAINTENANCE

ENGLISH



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DICHIARAZIONE DI CONFORMITÀ
DECLARATION OF CONFORMITY

La società ALBRIGI LUIGI S.r.l., via Tessare 1 – 37023 Stallavena – VERONA
The company ALBRIGI Luigi Srl, via Tessare 1-37023 Stallavena - VERONA

DICHIARA SOTTO LA PROPRIA RESPONSABILITÀ
DECLARE UNDER HIS OWN RESPONSIBILITY

Che la macchina denominata Mulino M50E
Descrizione: vedere il presente manuale
Anno di produzione: 2014

That the machine called M50E
Description: see this manual
Year of production: 2014

È CONFORME ALLE DIRETTIVE COMUNITARIE INERENTI
ARE IN COMPLIANCE WITH THE FOLLOWING DIRECTIVES:

Direttiva Macchine / *Machinery Directive*: 2006/42/CE
Direttiva Compatibilità Elettromagnetica / *EMC Directive*: 2004/108/CE
Diretiva Bassa Tensione / *Low Voltage Directive*:..... 2006/95/CE

ED ALLE NORME
AND WITH THE FOLLOWING RULES

Regole per Q.E.. / *Rules For Electric Cabinet*: .....EN 61439-1
Regole per Q. E. di potenza / *Rules for Power Electric Cabinet*:.....EN 61432-2
Progettazione Elettrica / *Electrical Design*: .....EN 60204-1

Albrigi Luigi
(Amministratore unico) / *CEO.*

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SPECIFICATIONS

SIZE OF THE MILL
Width: **380mm**
Length: **430mm**
Height: **230mm**

Net Weight: **10kg**
Power consumption: **max 120 W**
Materials: **stainless steel, aluminum.**

SPARE PARTS

CODE	DESCRIPTION
B0332	**Driving knurled roller**
B0333	**Neutral knurled roller**
-WA044	**Stainless steel screw M6 x 20**
B0337	**Loading hopper 2kg**
	Loading hopper 5kg
-MR025	**Gearmotor EV700 N2=50**
B0342	**Motor joint**
-CA014	**Bearing GFM-1416-10**

INTRODUCTION

This manual is an integral part of the machine and contains the information necessary for its operation and maintenance. Please read it carefully and follow the instructions. The manual must be always at hand to be consulted by the operator. We suggest to contact the Manufacturer for any information, spare parts or accessories.

CONSULTATION GUIDE

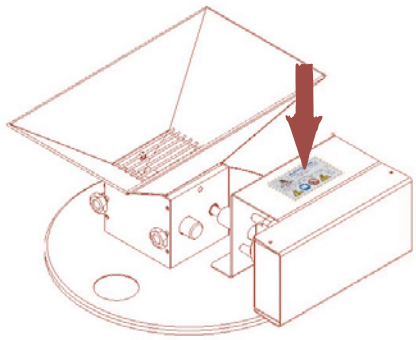
This symbol indicates the MOST DANGEROUS SITUATIONS OR OPERATIONS .

This symbol indicates a VERY IMPORTANT NOTE OR RECOMMENDATION.

All safety rules are important and must be strictly observed.

IDENTIFICATION NOTES

The label identifying the machine that contains all your data is located (see illustration).
It is recommended that the identification label with the hazard symbols are always visible and in good condition. If necessary, it must be replaced with other original request by writing to the manufacturer.



GENERAL CONDITIONS OF WARRANTY

This product built by **Albrigi Luigi Srl** is warranted against defects in materials and workmanship for a period of 2**4 months from the original date of purchase** indicated on the transport document or, unless otherwise indicated on the documents issued by the manufacturer and signed by both parties. In the case of repair or replacement operations, the equipment must be reported at the headquarters of **Albrigi Luigi Srl**.
Albrigi Luigi Srl reserves the right to replace the defective products or components with new or reconditioned parts or products . All products and parts replaced become property of **Albrigi Luigi Srl.**

SPECIAL CLAUSES

- **The guarantee will not apply** if the malfunction or breakdown of the device or its component will be caused by improper use as indicated in the user manual.
- **The warranty does not cover expenses or damages** caused by repairs or attempted repairs performed by other companies or individuals outside of Albrigi Luigi Srl or persons authorized by it to do so .
- **The warranty will be invalidated** if the equipment were to be modified or adapted to technical and safety standards different from those prevailing in the country for which the product was designed and built.
- **The warranty does not cover damage** resulting from fire , water, natural phenomena or anything else due to a lack of care of the equipment when in use or not.
- **Warranty repairs will be performed only** if the defective product will be presented within the warranty period together with the original bill of sale . Albrigi Luigi srl reserves the right to refuse warranty repair in the absence of these documents , or in the event that the information contained in it is incomplete or illegible. This guarantee will not apply if the model or serial number found on the product has been altered, deleted, removed or made illegible .
- **For any dispute** , the competent Court of Verona (Italy).

EXCLUSIONS

a) Periodic maintenance and repair or replacement of parts due to wear and tear;

b) Damage or defects caused by using, operation or improper handling of the product for other purposes than the initial ones;

c) Damage or changes in the product resulting from:

- *Treatments causing damage or alteration in physical, esthetics or surface of the product;*
- *Improper installation or use of the product for other purposes than those provided or failure to follow instructions Albrigi Luigi srl on the installation and use;*
- *Improper maintenance of the product not in accordance with the instructions of Albrigi Luigi srl on proper maintenance;*
- *Negligence.*

USING THE MACHINE

The mill M50E is validly used for grinding barley malt, wheat and other cereals. The result is a high quality product suitable for the production of beer.

The mill can be plugged into any household power outlet single-phase 220V/50Hz . Make sure the switch is in the "OFF" position before plugging in.

Never use the mill to grind shrubs , plastic or iron .

Never allow the engine to overheat . Use the mill for up to 30 min / 1 hour continuously , depending on how the engine is put under stress; Allow engine to cool for 10-15 minutes before starting to grind.

The particle size of the product is regulated by appropriate bearings fixed by the locking screws. The yield of the machine depends on the type of malt used and the particle size of grinding . Under standard conditions, the yield is 55kg/hour .

The use of the mill is forbidden to minors .

Any unauthorized modification to the machine may absolve the manufacturer of liability for any resulting damage.

Before using the mill you need to wear: dust mask, gloves and face shield.

Use the mill only in well-ventilated areas!

SAFETY RULES

In order to avoid injury, it is necessary to pay attention to the safety instructions on the labels attached to the machine.

Stop the engine as soon as it has finished grinding mill (engine rpm increases) .

Any cleaning or maintenance must be performed with the engine off and plug disconnected.

Make sure all guards are fitted and undamaged.

Remember that a prudent operator is the best insurance against any injury.

Do not use the mill in the rain or in very humid environments or in the presence of flammable gases or liquids .

Do not use the mill with wet hands .

Allow the machine to cool before performing any maintenance.

Before use, place the mill on a solid, stable surface and ensure that all parties are undamaged and correctly fitted . After use , turn off the engine immediately and pull off the plug. Do not introduce other foreign matter outside of the cereals.

WARNING:

Risk of crushing . The mill is equipped with rotating cylinders and electrical parts . Do not insert your hands into any slot of the mill while it is running or connected to the power outlet .

CONTROLS AND TIPS BEFORE STARTING

Each mill is tested before it is put on the market.
The following checks must be carried out with the plug disconnected:

- Check the attachment of the cylinders.
- Fill the hopper with the product to be ground before starting the mill. Make sure the hopper is never empty. Turn off the mill as soon as you finish grinding.

FAULTS-PROBLEMS-SOLUTIONS

PROBLEM	CAUSE	SOLUTION	INSTRUCTIONS
Excessive vibration	The mill is not positioned on a solid support	Place the mill on a solid, flat surface	
	Break of engine support.	Replace the engine mount.	The replacement of the piece must be performed by qualified personnel.
The product has not ground	The cylinders were not properly secured	Ensure that cylinders are securely fastened by tightening the locking screws	
	Wear of grinding cylinders	Replace the grinding cylinders	The replacement of the piece must be performed by qualified personnel.
	The grains are too wet	Clean the mill and grind dry products	

PROBLEM	CAUSE	SOLUTION	INSTRUCTIONS
The mill does not work	The mill is not properly connected to the power	Make sure that the electrical outlet is properly seated, and then try the ignition	
	the screws of the motor shaft are loosened	Tighten the screws of the motor shaft	
	Motor short-circuit	Replace the motor	The replacement of the piece must be performed by qualified personnel.
	Power pack out of order	Replace the power pack	The replacement of the piece must be performed by qualified personnel.

MAINTENANCE

The maintenance operations must be performed by qualified personnel, in strict compliance with the instructions in this manual.

Before any maintenance, switch off the engine and remove the plug from the power outlet.

Do not use water to clean the mill. Use a damp cloth.

Before any maintenance or inspection, clean the work area and always use gloves and work tools suitable and in good condition.

After any maintenance or checks, reset the machine guards.

TABLE OF PERIODIC MAINTENANCE	
At the end of each use	It is advisable to wipe the flour from the mill
Every 10 hours of work	Check the locking screws
Every 50 hours of operation	Check the wear of the cylinders Check that the power cord is in good condition
Every 200 hours of operation	Clean the mill with compressed air, particularly inside the crankcase of the engine.

SAFETY LABELS

As with the identification label of the machine, the safety labels must be kept clean and in good condition. If necessary, it is recommended to replace them with the original ones by requesting from the manufacturer.

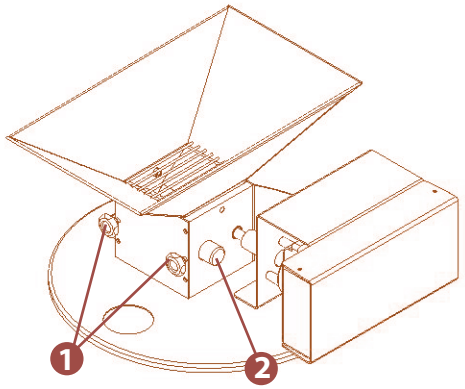
Before using the mill wear a face shield.

Wait until all machine components have completely stop before touching them.

Read the operating manual before starting the machine.

ADJUST THE DISTANCE BETWEEN ROLLERS

Wait until all machine components have completely stopped and disconnect the power cord before performing this operation.

1) Relase the rollers locking knobs 1	
2) Turn on the bushings 2 to adjust the distance between the rollers	
3) Tighten the rollers locking knobs 1	

SET-ASIDE

At the end of the season or in the case of long periods of inactivity, you must:

- *Thoroughly clean both the inside and the outside of the machine;*
- *Check and, if necessary, replace damaged or worn parts;*
- *Tighten all bolts;*
- *Cover the machine after it has been stored in a closed and secure environment;*

Finding the machine in perfect condition to the resumption of the work is in the interest of the user.

DISPOSAL OF THE MACHINE

The European Directive 2002/96/EC on waste electrical and electronic equipment (WEEE), requires that old appliances are not disposed using the normal solid urban waste. Old appliances must be collected separately in order to optimize the recovery and recycling of the materials they contain and reduce the impact on human health and the environment. The crossed-out dustbin is marked on all products to remind their obligations regarding separated waste collection. For more information on the proper disposal of household appliances, owners should contact their local authority or retailer.